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INDEX TO AMERICAN BOTANICAL LITERATURE

1907-1913

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Andrews, A. L. Notes on North American *Sphagnum*—V. Bryologist 16: 74-76. S 1913.

Barrett, O. W. Some new or little-known Philippine economics. Philip. Agr. Rev. 6: 493-503. pl. 2-11. O 1913.

Bates, J. A. My herbarium and its one enemy. Am. Fern Jour. 3: 49-52. 12 Je 1913.

Benedict, R. C. *Schizaea pusilla* in its natural surroundings. Am. Fern Jour. 3: 11-13. pl. 1. 22 Mr 1913.

Berger, [A.]. Eine neue *Agave*. *Agave Vilmoriniana* Berger nov. spec. Repert. Sp. Nov. 12: 503. 1 N 1913.
From Mexico.

Berry, E. W. Some paleontological results of the Swedish South Polar Expedition under Nordenskiöld. Science II. 38: 656-661. 7 N 1913.

Bicknell, E. P. The ferns and flowering plants of Nantucket—XI. Bull. Torrey Club 40: 605-624. 24 N 1913.
Includes *Hypericum dissimulatum* and *Crocianthemum dumosum*, spp. nov.

Bicknell, E. P. The heather, *Calluna vulgaris*, on Martha's Vineyard. Rhodora 15: 189-192. 17 N 1913.

Bitter, G. Solana nova vel minus cognita. XII. Repert. Sp. Nov. 12: 433-468. 1 N 1913.
Includes ten new species and many new varieties.

- Bitter, G.** Über verschiedene Varietäten der *Polylepis australis*.
 Rept. Sp. Nov. **12**: 477-479. 1 N 1913.
 Includes new varieties from Argentina.
- Blake, S. F.** Six weeks' botanizing in Vermont—I. Notes on the plants of the Burlington region. *Rhodora* **15**: 154-168. 1 S 1913.—II. Additional notes on plants near Burlington. *Rhodora* **15**: 200, 201. 17 N 1913.
- Blanchard, F. N.** Two new species of *Stigonema*. *Rhodora* **15**: 192-200. *pl. 105*. 17 N 1913.
Stigonema anomalum and *S. medium*, spp. nov.
- Brannon, M. A.** Osmotic pressure in potatoes. *Bot. Gaz.* **56**: 433-438. *f. 1-4*. 15 N 1913.
- Brown, C. S.** The petrified forest of Mississippi. *Pop. Sci. Mo.* **83**: 466-470. *f. 1-5*. N 1913.
- Chamberlain, E. B.** Edward Lyman Morris. *Bull. Torrey Club* **40**: 599-603. *portrait*. 24 N 1913.
- Chapman, G. H.** "Mosaic" and allied diseases, with especial reference to tobacco and tomatoes. *Ann. Rep. Massachusetts Agr. Exp. Sta.* **25**: 41-51. Ja 1913.
- Christensen, C.** *Polypodium speluncae* L. A question of nomenclature. *Am. Fern Jour.* **3**: 1-4. 22 Mr 1913.
- Cockerell, T. D. A.** Some plants of New Mexico. *Proc. Biol. Soc. Washington* **26**: 203, 204. 23 O 1913.
 Includes *Oenothera Hookeri Hewetti* subsp. nov.
- Cosens, A.** The haunts of some of our native ferns. *Ottawa Nat.* **27**: 93-100. N 1913.
- Coville, F. V.** Diatom collection of the United States National Museum. *Science II.* **38**: 748, 749. 21 N 1913.
- Criddle, N.** An unusual colored *Rudbeckia*. *Ottawa Nat.* **27**: 100. N 1913.
- Daniels, F. P.** The flora of Boulder, Colorado, and vicinity. *Univ. Missouri Stud. Sci. Series* **2**: i-xiii+1-311. O 1911.
- Derby, O. A.** Observations on the stem structure of *Psaronius brasiliensis*. *Am. Jour. Sci. IV.* **36**: 489-497. *f. 1-3*. N 1913.
- Fernald, M. L.** A new station for *Scirpus Longii*. *Rhodora* **15**: 202. 17 N 1913.
- Fraser, W. P.** The rusts of Nova Scotia. *Proc. and Trans. Nova Scotian Inst. Sci.* **12**: 313-445. 30 Au 1913. [Illust.]
- Freeman, G. F.** The tepary, a new cultivated legume from the southwest. *Bot. Gaz.* **56**: 395-417. *f. 1-11*. 15 N 1913.

- Frye, T. C., & Jackson, M. M.** The ferns of Washington. *Am. Fern Jour.* **3**: 65-83. *pl.* 1-4. S 1913.
- Gandara, D.** Técnica para hacer preparaciones microscópicas según el sistema de los laboratorios de los Estados Unidos. *Mem. y Rev. Soc. Cien. "Antonio Alzate"* **32**: 201-207. Au 1912.
- Gandara, G.** Las Ustilagíneas y las Uredíneas deben elevarse á la categoría de ordenes llamándoles Ustilagomicetos y Uredinomicetos, respectivamente. *Mem. y Rev. Soc. Cien. "Antonio Alzate"* **32**: 213-217. Au 1912.
- Gandara, G.** Visita á algunas instituciones de botánica y parasitología agrícola de los Estados Unidos. *Mem. y Rev. Soc. Cien. "Antonio Alzate"* **30**: 341-365. Jl 1911.
- Greene, F. C.** A new hybrid fern. *Am. Fern Jour.* **3**: 83-85. *f.* 1-7. S 1913.
Polystichum acrostichoides × *Dryopteris cristata* hyb. nov.
- Güssow, H. T.** Smut diseases of cultivated plants. Their cause and control. *Ottawa Central Exp. Farm Bull.* **73**: 5-57. *pl.* 1-9 + *f.* 1. Mr 1913.
- Harris, J. A.** A quantitative study of the factors influencing the weight of the bean seed.—I. Intra-ovarial correlations. *Beih. Bot. Centralb.* **31**¹: 1-12. *pl.* 1-4. I O 1913.
- Harris, J. A.** Supplementary studies on the differential mortality with respect to seed weight in the germination of garden beans. *Am. Nat.* **47**: 683-700. N 1913;—II. *Am. Nat.* **47**: 739-759. D 1913.
- Harvey, E. M.** The castor bean plant and laboratory air. *Bot. Gaz.* **56**: 439-442. 15 N 1913.
- Hassler, E.** Novitates argentinae—III. *Repert. Sp. Nov.* **12**: 495-499. I N 1913.
Includes *Abutilon Lilloi*, *A. saltense*, and *A. jujuiense*, spp. nov.
- Hewitt, J. L.** *Puccinia pruni-spinosa* killing plum nursery stock. *Phytopathology* **3**: 270. O 1913.
- Hewitt, J. L.** Rose mildew. *Phytopathology* **3**: 270. O 1913.
- Hoffmann, C.** Relation of soil bacteria to evaporation. *Ann. Rep. Wisconsin Agr. Exp. Sta.* **29**: 183-215. 1913.
- Hopkins, L. S.** Addenda to Professor Jennings' article. *Am. Fern Jour.* **3**: 47, 48. 12 Je 1913.
- Hopkins, L. S.** A belated maidenhair. *Am. Fern Jour.* **4**: 17, 18. 22 Mr 1913.

- Hubbard, F. T.** On the *Gramineae* collected by Professor Morton E. Peck in British Honduras, 1905-07. *Proc. Am. Acad. Arts and Sci.* **49**: 493-502. O 1913.
Includes *Mesosetum filifolium*, *Paspalum Peckii*, *Panicum stenodoides*, and *Aristida pseudospadicea*, spp. nov.
- Jennings, O. E.** Notes on the pteridophytes of the north shore of Lake Superior. *Am. Fern Jour.* **3**: 38-47. 12 Je 1913.
- Kunkel, O.** The influence of starch, peptone, and sugars on the toxicity of various nitrates to *Monilia sitophila* (Mont.) Sacc. *Bull. Torrey Club* **40**: 625-639. 24 N 1913.
- Kuyper, J.** Overzicht van de verschillende koffieziekten in Suriname. *Bull. Dept. Landbouw Suriname* **31**: 1-16. *pl.* 1-4. S 1913.
- Livingston, B. E., & Livingston, G. J.** Temperature coefficients in plant geography and climatology. *Bot. Gaz.* **56**: 349-375. *f.* 1-3. 15 N 1913.
- Long, W. H.** Three undescribed heart-rots of hardwood trees, especially of oak. *Jour. Agr. Research* **1**: 109-128. *pl.* 7, 8. N 1913.
- Loomis, M. L.** A correction concerning *Dicksonia punctilobula*, forma *cristata*. *Rhodora* **15**: 204. 17 N 1913.
- Lutman, B. F.** The pathological anatomy of potato scab. *Phytopathology* **3**: 255-264. *f.* 1-10. O 1913.
- Lutman, B. F.** Studies on club-root. I. The relation of *Plasmodiophora Brassicae* to its host and the structure and growth of its plasmodium. *Vermont Agr. Exp. Sta. Bull.* **175**: 3-27. *pl.* 1-4. *f.* 1-6. O 1913.
- Mason, S. C.** The pubescent-fruited species of *Prunus* of the southwestern states. *Jour. Agr. Research* **1**: 147-178. *pl.* 9-16 + *f.* 1-8. N 1913.
- Matheny, W. A.** A comparison of the American brown-rot fungus with *Sclerotinia fructigena* and *S. cinerea* of Europe. *Bot. Gaz.* **56**: 418-432. *f.* 1-6. 15 N 1913.
- McAllister, F.** Nuclear division in *Tetraspora lubrica*. *Ann. Bot.* **27**: 681-696. *pl.* 56. O 1913.
- McCool, M. M.** The action of certain nutrient and non-nutrient bases on plant growth. *Cornell Univ. Agr. Exp. Sta. Mem.* **2**: 121-216. *f.* 1-15. Au 1913.
- Meyer, R.** Über *Echinopsis tubiflora* Zucc., deren Varietäten und Hybriden. *Monats. Kakteenk.* **23**: 152-154. 15 O 1913.
- Miyake, K.** The influence of salts common in alkali soils upon the growth of the rice plant. *Jour. Biol. Chem.* **16**: 235-263. N 1913.

- Morse, W. J., & Darrow, W. H.** Is apple scab on young shoots a source of spring infection? *Phytopathology* **3**: 265-269. O 1913.
- Moxley, G. L.** A great day. *Am. Fern Jour.* **3**: 85-88. S 1913.
- Nash, G. V.** The aroid collection. *Jour. N. Y. Bot. Gard.* **14**: 181-187. *pl.* 126, 127. N 1913.
- Newcombe, F. C.** Sensitive life of *Asparagus plumosus*. A morpho-physiological study. *Beih. Bot. Centralb.* **31**: 13-42. I O 1913.
- Ochoterena, I.** Opuntes para el estudio de las cactaceas mexicanas. *Mem. y Rev. Soc. Cien. "Antonio Alzate"* **31**: 153-199. *f.* 1-20. J1 1911.
- Olive, E. W.** Botany in relation to agriculture and other applied sciences. *Brooklyn Bot. Gard. Record* **2**: 115-119. O 1913.
- Pace, L.** Apogamy in *Atamosco*. *Bot. Gaz.* **56**: 376-394. *pl.* 13, 14. 15 N 1913.
- Palla, E.** Neue Cyperaceen. *Öst. Bot. Zeits.* **63**: 401-404. O 1913.
Includes *Holoschoenus mexicanus*, *Heleocharis mexicana*, *Chlorocyperus Arsenii*, *C. michoacanensis*, and *Mariscus latibracteatus*, spp. nov., all from Mexico.
- Parish, S. B.** A catalogue of plants collected in the Salton Sink. 1-11. Washington. 1913. [Illust.]
Printed in advance from Carnegie Inst. Publ. 193.
- Peck, C. H.** Report of the state botanist, 1912. N. Y. State Museum Bull. 167: 5-137. *pl.* 131, 132, IX, X. I S 1913.
Includes twenty-six new species of extralimital fungi.
- Pennell, F. W.** *Asplenium angustifolium* in Louisiana. *Am. Fern Jour.* **3**: 16, 17. 22 Mr 1913.
- Pickett, F. L.** Resistance of the prothallia of *Camptosorus rhizophyllus* to desiccation. *Bull. Torrey Club* **40**: 641-645. 24 N 1913.
- Purpus, J. A.** *Cereus marginatus* P. DC. f. *gibbosa* J. A. Purpus. *Monats. Kakteenk.* **23**: 148. 15 O 1913. [Illust.]
- Quehl, L.** Die Behandlung des *Cereus grandiflorus* Mill. *Monats. Kakteenk.* **23**: 145. 15 O 1913.
- Ransier, H. E.** Hunting the hart's tongue and holly fern at Owen Sound, Ontario. *Am. Fern Jour.* **3**: 25-37. *pl.* 1 + *f.* 1-8. 12 Je 1913.
- Rehm, H.** Ascomycetes exs. fasc. 53. *Ann. Myc.* **11**: 391-395. 10 N 1913.
Includes American material.
- Rehm, H.** Ascomycetes novi. *Ann. Myc.* **11**: 396-401. 10 N 1913.
Includes *Pezizella dakotensis*, *Phomatospora Rosae*, *Plicaria glacialis*, *Dasyscypha Ivae*, *Sphaerulina divergens*, *Leptosphaeria Onagrae*, spp. nov. from America.

- Robinson, B. L.** Diagnoses and transfers among the spermatophytes. Proc. Am. Acad. Sci. **49**: 502-517. O 1913.
Includes *Inga Peckii*, *Acacia bucerophora*, *Aeschynomene tenerrima*, *Linociera oblanceolata*, *Strychnos Peckii*, *Gymnolomia acuminata*, *Flourensia retinophylla*, and *Trixis calcicola*, spp. nov., and numerous new combinations.
- Robinson, B. L.** A generic key to the Compositae-Eupatorieae. Proc. Am. Acad. Arts and Sci. **49**: 429-437. O 1913.
- Robinson, B. L.** Revisions of *Alomia*, *Ageratum*, and *Oxylobus*. Proc. Am. Acad. Arts and Sci. **49**: 438-491. O 1913.
Includes *Alomia guatemalensis*, *A. platylepis*, *Ageratum platypodum*, *A. riparium*, and *A. elachycarpum*, spp. nov., and various new forms, varieties, and names.
- Rosenstock, E.** Filices novae a cl. Dr. O. Buchtien in Bolivia collectae. Repert. Sp. Nov. **12**: 468-477. 1 N 1913.
Includes eleven new species in *Asplenium* (3), *Diplazium* (2), *Dryopteris* (2), *Polypodium* (1), and *Elaphoglossum* (5).
- Ross, H.** Contributions à la flore du Mexique. Avec la collaboration de spécialistes. Mem. y Rev. Soc. Cien. "Antonio Alzate" **32**: 155-199. pl. 11-13. Au 1912.
- Rowlands, S. P.** Ferns of New England and Old England. Am. Fern Jour. **3**: 53-57. 12 Je 1913.
- Sampson, A. W.** The reseeding of depleted grazing lands to cultivated forage plants. U. S. Dept. Agr. Bull. **4**: 2-34. pl. 1-8 + f. 1-4. 27 O 1913.
Contains information of a botanical nature.
- Sargent, C. S.** *Crataegus* in New York. N. Y. State Museum Bull. **167**: 53-124. 1 S 1913.
Includes twenty-five new species.
- Seaver, F. J.** Studies in Colorado fungi—I. *Discomycetes*. Mycologia **3**: 57-66. Mr 1911.
- Shaw, G. W.** Studies upon influences affecting the protein content of wheat. Univ. Calif. Publ. Agr. **1**: 63-126. 23 O 1913.
- Shaw, J. K.** Inheritance of blossom color in beans. Ann. Rep. Massachusetts Agr. Exp. Sta. **25**: 182-203. f. 1-4. Ja 1913.
- Standley, P. C.** A new *Dodecatheon* from New Mexico. Proc. Biol. Soc. Washington **26**: 195, 196. 23 O 1913.
Dodecatheon Ellisiae sp. nov.
- Sterling, C. M.** *Krameria canescens* Gray. Univ. Kansas Sci. Bull. **16**: 363-372. pl. 15-22. Ja 1912.
- Stewart, F. C.** The persistence of the potato late-blight fungus in the soil. N. Y. Agr. Exp. Sta. Bull. **367**: 357-361. O 1913.

- Stone, G. E.** Diseases more or less common during the year. Ann. Rep. Massachusetts Agr. Exp. Sta. **25**: 38-40. Ja 1913.
- Stone, G. E.** A new rust. Ann. Rep. Massachusetts Agr. Exp. Sta. **25**: 41-44. Ja 1913.
Currant rust, white pine blister rust.
- Stone, G. E.** Effects of illuminating gas on vegetation. Ann. Rep. Massachusetts Exp. Sta. **25**: 45-60. f. 1-3. Ja 1913.
- Stone, G. E.** The influence of various light intensities and soil moisture on the growth of cucumbers, and their susceptibility to burning from hydrocyanic acid gas. Ann. Rep. Massachusetts Agr. Exp. Sta. **25**: 61-72. f. 1-2. Ja 1913.
- Stone, G. E.** Shade tree troubles. Ann. Rep. Massachusetts Agr. Exp. Sta. **25**: 73-83. f. 1-9. Ja 1913.
- Stone, G. E.** The power of growth in plants. Pop. Sci. Mo. **83**: 231-239. f. 1-10. S 1913.
- Stone, G. E.** The relation of light to greenhouse culture. Massachusetts Agr. Exp. Sta. Bull. **144**: 3-40. f. 1-9. Jl 1913.
- Stone, G. E., & Chapman, G. H.** Experiments relating to the control of potato scab. Ann. Rep. Massachusetts Agr. Exp. Sta. **25**: 184-196. f. 1. Ja 1913.
- Stuchlik, J.** Generis *Gomphrenae* species exclusae. Rept. Sp. Nov. **12**: 350-359. I S 1913.
- Stuchlik, J.** Zur Synonymik der Gattung *Gomphrena*. III. Rept. Sp. Nov. **12**: 337-350. I S 1913.
- Swingle, W. T.** *Citrus ichangensis*, a promising, hardy, new species from southwestern China and Assam. Jour. Agr. Research **1**: 1-14. pl. 1 + f. 1-7. 10 O 1913.
- Tejada, R.** Catálogo de plantas reputadas medicinales en la República de la Guatemala. 1-71. Guatemala. 1913.
- Theissen, F.** *Lembosia*-studien. Ann. Myc. **11**: 423-467. 10 N 1913.
Includes *Asterina Miconiae* sp. nov. from Brazil.
- Theissen, F.** *Hemisphaeriales*. Ann. Myc. **11**: 468, 469. 10 N 1913.
- Thom, C., & Currie, J. N.** The dominance of Roquefort mould in cheese. Jour. Biol. Chem. **15**: 249-258. f. 1. 2 Au 1913.
- Thomas, H. H.** The fossil flora of the Cleveland district. Quart. Jour. Geol. Soc. **49**: 223-251. pl. 23-26. Je 1913.
- Tschirch, A.** The enzymes and their importance in pharmacognosy. Am. Jour. Phar. **85**: 554-558. D 1913.

- Vaupel, F.** Die Gattung *Epiphyllum* und ihre Verwandten. Monats. Kakteenk. **23**: 114-118. 15 Au 1913.
- Vaupel, F.** *Cereus Dybowskii* Rol.-Goss. Monats. Kakteenk. **23**: 155, 156. 15 O 1913.
- Vaupel, F.** Die Gattung *Borzicactus* Riccob. Monats. Kakteenk. **23**: 161, 162. 15 N 1913.
- Visher, S. S.** Plants of the South Dakota sand hills. Am. Bot. **19**: 91-94. Au 1913.
- Vries, H. de.** Gruppenweise Artbildung unter spezieller Berücksichtigung der Gattung *Oenothera*. i-vi + 1-305. *pl.* 1-18 + *f.* 1-121. Berlin, 1913.
- Warren, L. E.** Some observations on the pollen of poison sumach. Am. Jour. Phar. **85**: 545-549. D 1913.
- Watts, F., and others.** Report of the Agricultural Department, Dominica 1912-1913: 1-47. *f.* 1-6. 1913.
Includes certain notes on fungus diseases.
- Weatherby, C. A.** Some new combinations required by the international rules. Proc. Am. Acad. Arts and Sci. **49**: 492. O 1913.
- Weatherby, C. A.** Wayside ferns of the Dolomites. Am. Fern Jour. **3**: 4-9. 22 Mr 1913.
- Weidlich, E.** *Mamillaria echinoidea* Quehl und *Mam. glanduligera* Dietrich. Monats. Kakteenk. **23**: 146, 147. 15 O 1913. [Illust.]
- Weingart, W.** *Cereus Linkii* Rol.-Goss. Monats. Kakteenk. **23**: 167-169. 15 N 1913.
- Weingart, W.** *Cereus trigonus* Haw. var. *guatemalensis* Eichlam. Monats. Kakteenk. **23**: 155. 15 O 1913. [Illust.]
- Weir, J. R.** An epidemic of needle diseases in Idaho and western Montana. Phytopathology **3**: 252, 253. Au 1913.
- Wernham, H. F.** New *Rubiaceae* from tropical America—III. Jour. Bot. **51**: 320-324. N 1913.
Includes *Portlandia involucrata*, *P. uliginosa*, *Alseis Gardneri*, *Cosmibuena gorgonensis*, *C. gardenioides*, *Chiococca erubescens*, *C. pulcherrima*, *C. capitata*, and *C. pachyphylla*, spp. nov.
- Wieland, G. R.** The Liassic flora of the Mixteca Alta of Mexico,—its composition, age, and source. Am. Jour. Sci. IV. **36**: 251-281. *f.* 1, 2. S 1913.
- Winslow, E. J.** Ferns of northern Berkshire County, Massachusetts. Am. Fern Jour. **3**: 13-16. 22 Mr 1913.
- Winslow, E. J.** Double sori in *Athyrium*. Am. Fern Jour. **3**: 88-92. *f.* 1, 2. S 1913.

- Wolf, F. A.** Black spot of roses. Alabama Agr. Exp. Sta. Bull. 172: 113-118. *pl.* 1, 2 + *f.* 1-3. F 1913.
- Wolf, F. A.** Melanose. Phytopathology 3: 190, 191. Je 1913.
- Wollenweber, H. W.** *Ramularia*, *Mycosphaerella*, *Nectria*, *Calonec-
tria*. Eine morphologisch pathologische Studie zur Abgrenzung von
Pilzgruppen mit cylindrischen und sichelförmigen Konidienformen.
Phytopathology 3: 197-242. *pl.* 20-22. Au 1913.
Includes *Cylindrocarpon* gen. nov. and *Cylindrocarpon cylindroides*, *Ramularia
endidyma*, and *R. olida*, spp. nov.
- Wootton, E. O.** Trees and shrubs of New Mexico. New Mexico Agr.
Exp. Sta. Bull. 87: 3-159. Je 1913. [Illust.]
- York, H. H.** Some observations on the sexuality of *Spirogyra*. Science
II. 38: 368, 369. 12 S 1913.
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